

HALOGENATED OPTICAL POLYMER COMPOSITION

ABSTRACT OF THE INVENTION

The present invention provides an energy curable composition including a compound having an aromatic or heteroaromatic moiety; at least two fluorinated alkylene, arylene or polyether moieties, each fluorinated alkylene, arylene or polyether moiety being linked to the aromatic or heteroaromatic moiety through an ether or thioether; and at least one ethylenically unsaturated moiety, each ethylenically unsaturated moiety being linked to one of the fluorinated alkylene, arylene or polyether moieties. The present invention also provides an energy curable composition including a compound having an isocyanurate moiety, three fluorinated alkylene, arylene, or polyether moieties linked to the isocyanurate moiety at the nitrogens of the isocyanurate, and at least one ethylenically unsaturated moiety linked to one of the fluorinated alkylene, arylene, or polyether moieties. The present invention further provides polymeric materials and optical devices made using these compositions.